

FIG. 1A

GTCAAGTGTATTACGTGCAGGAGACTGGCCGCTCGGCTCAGGACTGGGATTAGCGGGCTCTGCTCAAAACCCGCGGCTTTTACATTAGGAGTGAGTGG 100
GGGAGAGTCCTAGGATTTCTAGTAGTGAAGAGTGACAGCGCTTGGTGAGCTTGGGACCTTCGTGAAGTCTTCTGCTTGGAGCTGAGACTTGCAATGCC ATG 199
M I
GAA CAC CCC CTC TTT GGC TGC CTG CGC AGC CCC CAC GCC ACA GCG CAA GGC TTG CAC CCC TTC TCG CAG TCT TCT 274
E H P L F G C L R ∇ S P H A T A Q G L H P F S Q S S 26
CTG GCC CTC CAT GGA AGA TCT GAC CAC ATG TCC TAC CCC GAA CTC TCC ACA TCT TCC TCG TCT TGC ATA ATC GCG 349
L A L H G R S D H M \diamond S Y P E L S T S S S C I I A 51
GGA TAC CCC AAT GAG GAG GGC ATG TTT GCC AGC CAG CAT CAC AGG GGG CAC CAC CAC CAC CAC CAC CAC CAT 424
G Y P N E E G M F A S Q H H R G H H H H H H H H 76
CAC CAC CAC CAG CAG CAG CAG GCT CTG CAA AGC AAC TGG CAC CTC CCG CAG ATG TCC TCC CCG CCA AGC 499
H H H Q Q Q Q H Q A L Q S N W H L P Q M S S P P S 101
GCG GCC CGG CAC AGC CTT TGC CTG CAG CCT GAT TCC GGA GGG CCC CCG GAG CTG GGG AGC AGC CCT CCG GTC CTC 574
A A R H \square S L C L Q P D S G G P P E L G S S P P V L 126
TGC TCC AAC TCT TCT AGC CTG GGC TCC AGC ACC CCG ACC GGA GCG GCG TGC GCA CCA AGG GAT TAT GGC CGT CAA 649
C S N S S L G S S T P T G A A C A P R D Y G R Q 151
GCG CTG TCA CCC GCA GAA GTG GAG AAG AGA AGT GGC AGC AAA AGA AAA AGC GAC AGT TCA GAT TCC CAG GAA GGA 724
A L \diamond S P A E V E K R \square S G \square S K R K \square S D \square S D S Q E G 176
AAT TAC AAG TCA GAA GTG AAC AGC AAA CCT AGG AAG GAA AGA ACA GCT TTC ACC AAA GAG CAA ATC AGA GAA CTT 799
N Y K S E V N S K P R K E R \square S A F T K E Q I R E L 201
GAG GCA GAG TTC GCC CAT AAC TAT CTG ACC AGA CTG AGA AGA TAT GAG ATA GCG GTG AAC CTA GAC CTC ACT 874
E A E F A H H N Y L T R L R R Y E I A V N L D L \square 220

MATCH TO FIG. 1B

30273" 22311660

MATCH TO FIG. 1A

GAA AGA CAG GTG AAA GTG TGG TTC CAG AAC AGG AGA ATG AAG TGG AAG CGG GTC AAG GGG GGA CAA CAA GGA GCT	949
E R Q V K V N F Q N R R H K N K R V K	251
G G Q Q G A	
GCA GCC CGA GAA AAG GAA CTG GTG AAT GTG AAA AAG GGA ACA CTT CTT CCA TCA GAG CTG TCA GGA ATT GGT GCA	1024
A A R E K E L V N V K K G (T) L L P S E L S G I G A	276
GCC ACC CTC CAG CAG ACA GGG GAC TCA CTA GCA AAT GAC GAC AGT CGC GAT AGT GAC CAC AGC TCT GAG CAC GCA	1099
A T L Q Q T G D S L A N D S R D (S) D H S S E H A	301
CAC TTA TGA TACATACAGAGACCAGCTCCGTTCTCAGGAAGCACCATTGTGATGGCAATCTCACCCAAACATCGTTTACATGGCAGATGACTGTG	1196
H L STOP	303
GCAGTGTGCTTAATAATAAATAACGCAGGCATCTCAAGTCTGTTTCTCATGATTGATAGAGGTTTACACTAAGTGCCCTTATTTGAAGATGCTTCCAC	1296
AGTGAAATTGGAGAAAGTGAACATATCTAAATATACTTGTTCCTTATATGACAGAGAGGGAGATGAATGTTTGGCTTGGCTTGCACATGAATAATTAAATTG	1396
CTACCAAGAGCAAACTCGGTAAGACATTTTGTACTCAAGTTGTCTCCAGAGTGAAGATGTTATAGAAATGCTTTGAACATTCAGTTGTACCAGGTCATGT	1496
GTGTGACACTGGGCGAGGTATTTGCTTTTGGCTTGGCACTGAAACTTAAACTGCTATCAAGTTAACCAATGAATAGTTTATCTTGAACAGGCCACAGTGGCTG	1596
AAATCACCAGTGGATATAAAATGAACATGAATTCGTATATATTACTCTAAGTCAATTTTCTGCTTCACTAATTTTAGCAAAATGCATTCATATTAGC	1696
TGATGAAAATAGGCTTTCCCGTGGACAAATGCAGCCAGCTTCTGTATTTTATACATTTTGTGTCAGTCAGAGACATCAGTATGCTTACITGTGTT	1796
CAAGTAGAGGAAAATGCAGTAGAGTCTGATAGGACATATCTTGGTACCACAGACAAACAAATCTTCTGTGTCATGACTATCAACTGCTGCAGATACAT	1896
TAGAGAACACACACCTAGCCCCCTCCAGCCCTCCCTCTGTATATCGCTCGAAGACATTAGCGTCAATAGGCAAGTAGTTACCTTGGCAAAATGAGTCTTGTGTGG	1996
CAGATGCTGTGATTTTGTATCTTTAAACGTGTTAATGGTATGTGCTGCTTTCAGTTTACAGGGGAAAAGATTCTTCCCTCATTTGTTATGATACAAAACCCA	2096
AGTGCCAAACAAAGCTAGTCTTCAAGGGATAGATGAGAAACATGAATGTCTGACAAAGTAGACTCAGCGAAAATACATTTATTTTCAGAGGCTGTGTATTC	2196
ATGCAGTACAGTCCCTGTATTTTGTAAAAAAAAGTTAAATAAAT	2244

FIG. 1B

FIG. 2

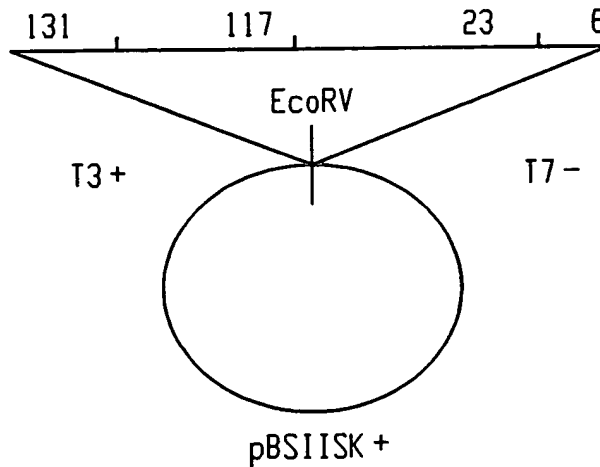
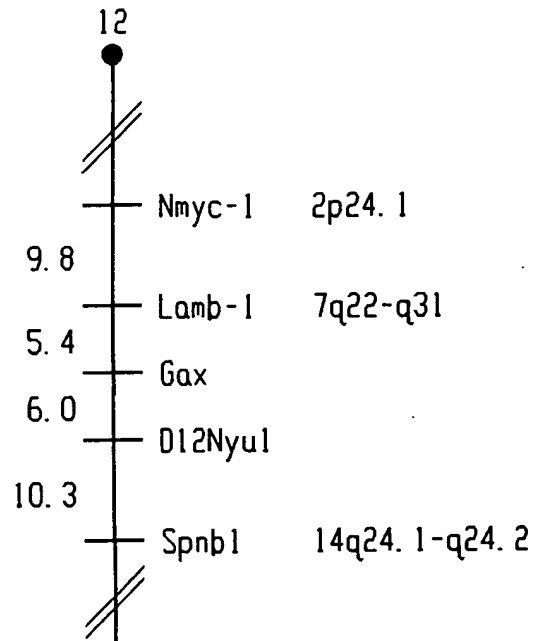
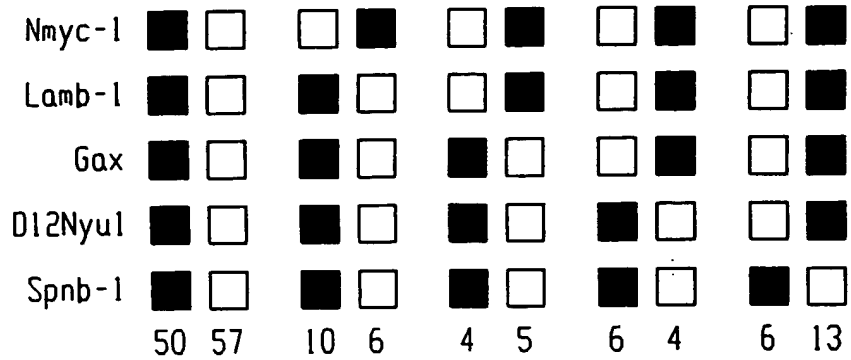


FIG. 4

FIG. 3

83 GTCTTTCTACCTG6AACC6GAACTTGCA1GCT ATG GAA CAC CCG CTC TTT GGC TGC CTG CGC AGC CCT CAC GCC ADG GCG CAA
17 M E H P L F G C L R S P H A T A Q
158 GGC TTG CAC CCG TTC TCC CAA TCC TCT CTC GCC CTC CAT GGA AGA TCT GAC CAT ATG TCT TAC CCC GAG CTC TCT
42 G L H P F S Q S L A L H G R S D H M S Y P E L S
233 ACT TCT TCC TCA TCT TGC ATA ATC GCG GGA TAC CCC AAC GAA GAG GAC ATG TTT GCC AGC CAG CAT CAC AGG GGG
67 T S S S C I I A G Y P N E E D M F A S Q H H R G
300 CAC CAC CAC CAC CAC CAT CAC CAC CAT CAG CAG CAG CAG CAG GCT CTG CAA ACC AAC TGG CAC CTC
92 H H H H H H H H H Q Q Q Q H Q A L Q T N W H L
383 CCG CAG ATG TCT TCC CCA CCG AGT GCG GCT CCG CAT AGC CTC TGC CTC CAG CCC GAC TCT GGA GGG CCC CCA GAG
117 P Q M S S P P S A A R H S L C L Q P D S G G P P E
450 TTG GGG AGC AGC CCG CCC GTC CTG TGC TCC AAC TCT TCC AGC TTG GGC TCC AGC ACC CCG ACT GGG GCC GCG TGC
142 L G S S P P V L C S N S S S L G S S T P T G A A C
533 GCG CCG GGG GAC TAC GGC CGC CAG GCA CTG TCA CCT GCG GAG GCG GAG AAG CGA AGC GGC GGC AAG AGG AAA AGC
167 A P Q D Y G R Q A L S P A E A E K R S G G K R K S
600 GAC AGC TCA GAC TCC CAG GAA GGA AAT TAC AAG TCA GAA GTC AAC AGC
192 D S S D S Q E G N Y K S E V N S
683 ACC AAA GAG CAA ATC AGA GAA CTT GAA GCA GAA TTT GCC CAT CAT AAT TAT CTC ACC AGA CTG AGG CGA TAC GAG
217 T K E Q I R E L E A E F A H H N Y L T R L R R Y E
758 ATA GCA GTG AAT CTG GAT CTC ACT GAA AGA CAG GTA AAA GTC TGG TTC CAA AAC AGG CCG ATG AAG TGG AAG AGG
242 I A V N L D L T E R Q V K V W F Q N R R M K W K R
833 GTA AAG GGT GGA CAG CAA GGA GCT GCG GCT CCG GAA AAG GAA CTG GTG AAT GTG AAA AAG GGA ACA CTT CTC CCA
267 V K G G Q Q G A A A R E K E L V N V K K G T L L P
908 TCA GAG CTG TCG GGA ATT GGT GCA GCC ACC CTC CAG CAA ACA GGG GAC TCT ATA GCA AAT GAA GAC AGT CAC GAC
292 S E L S G I G A A T L Q Q T G D S I A N G D S R D
941 AGT GAC CAC AGC TCA GAG CAC GCC CAC CTC TGA
302 S D H S S E H A H L *

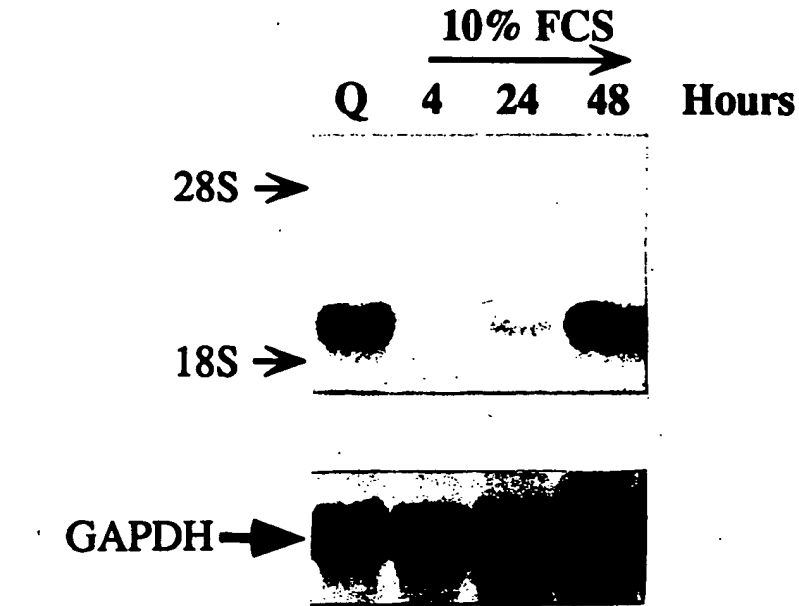


FIG. 5A

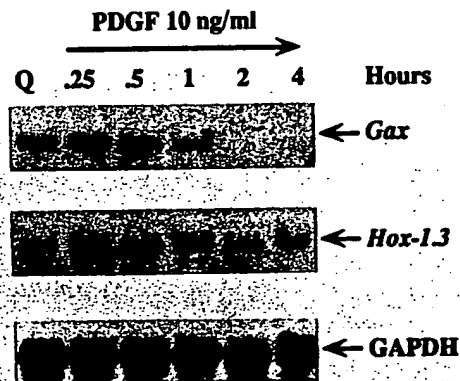


FIG. 5B

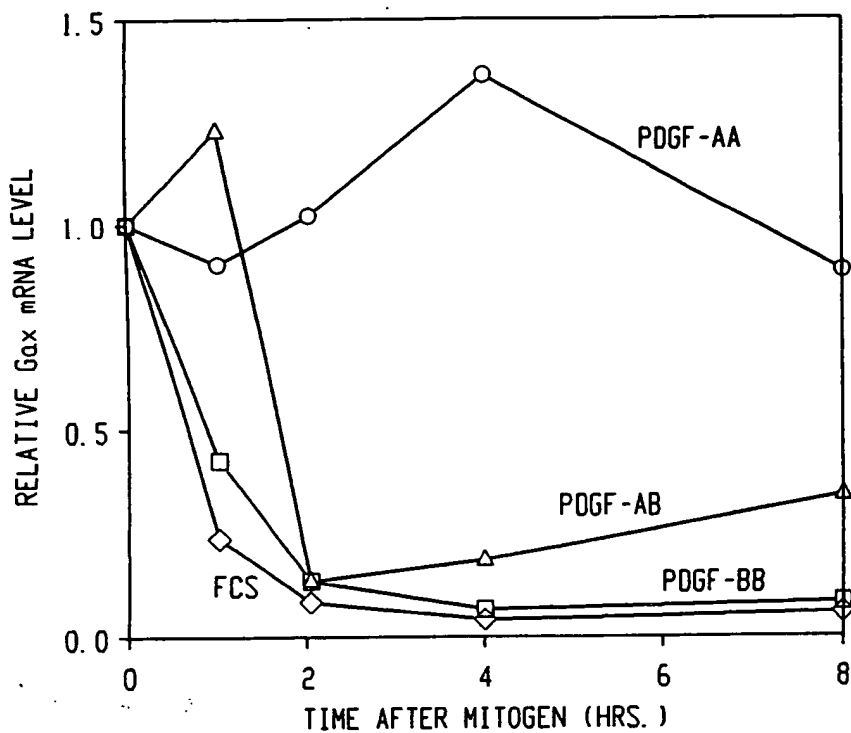


FIG. 6

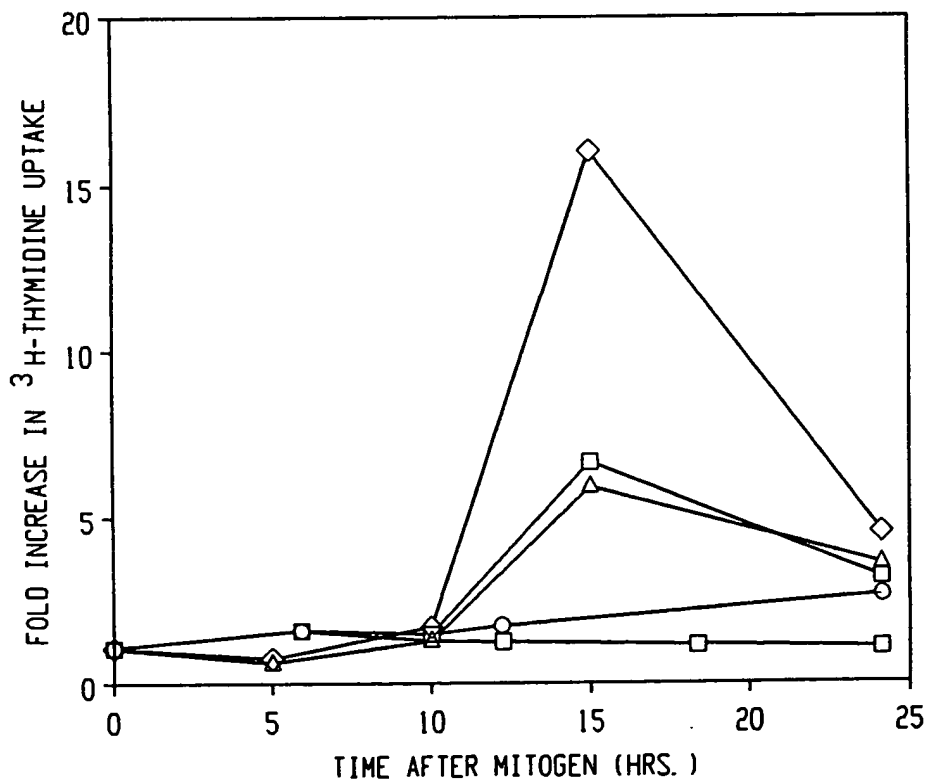


FIG. 7

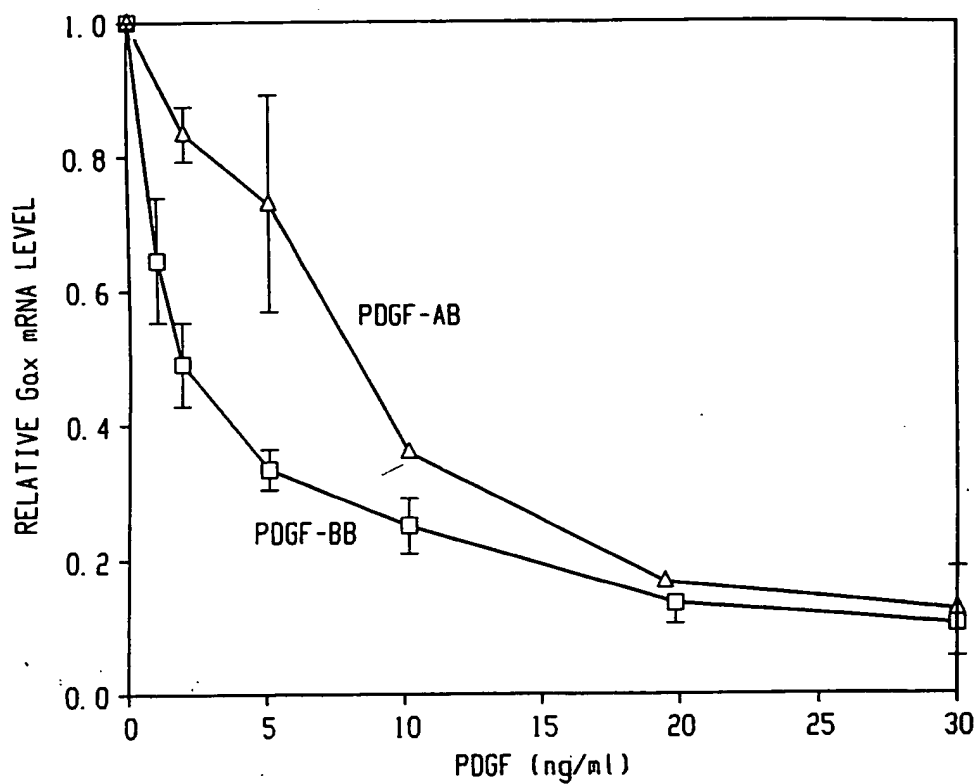


FIG. 8

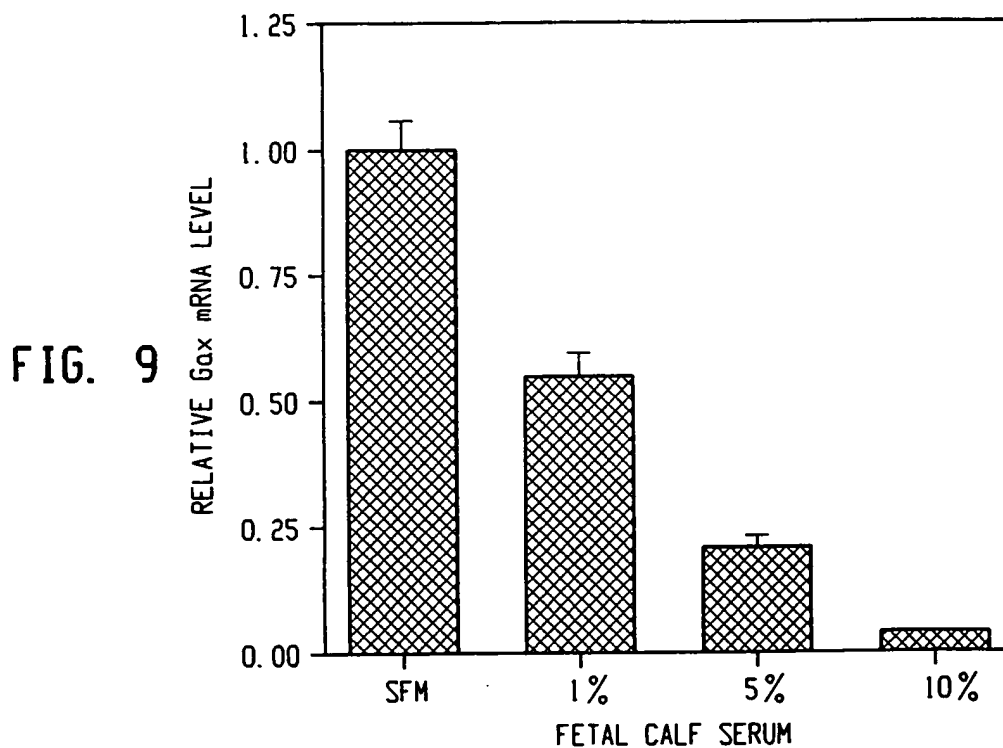


FIG. 9

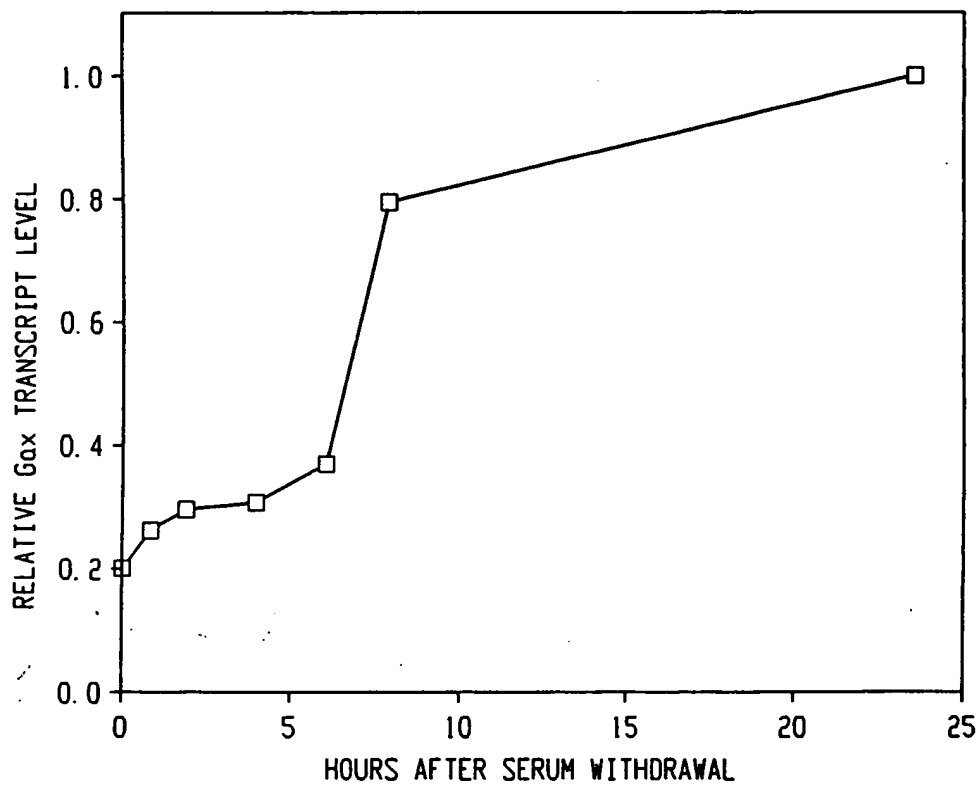


FIG. 10

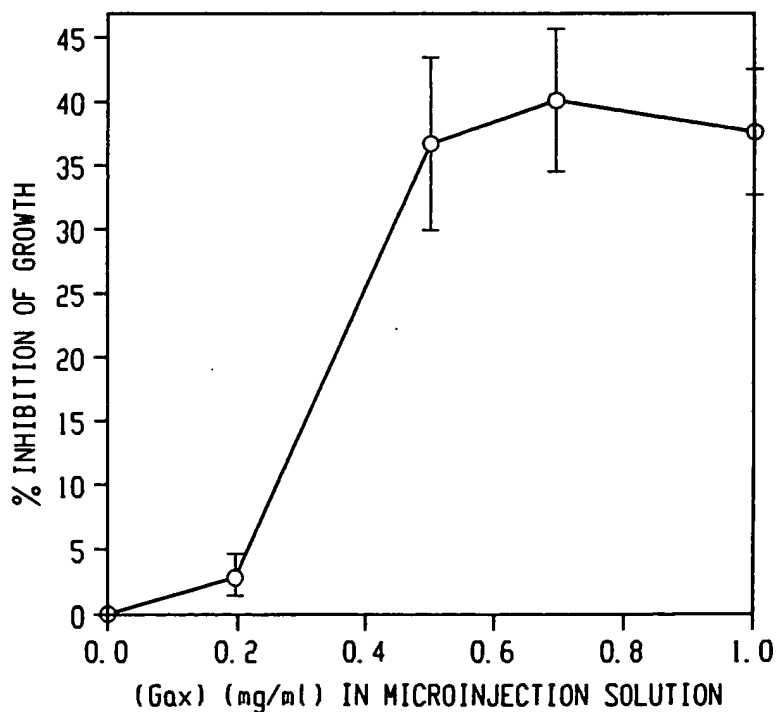


FIG. 11

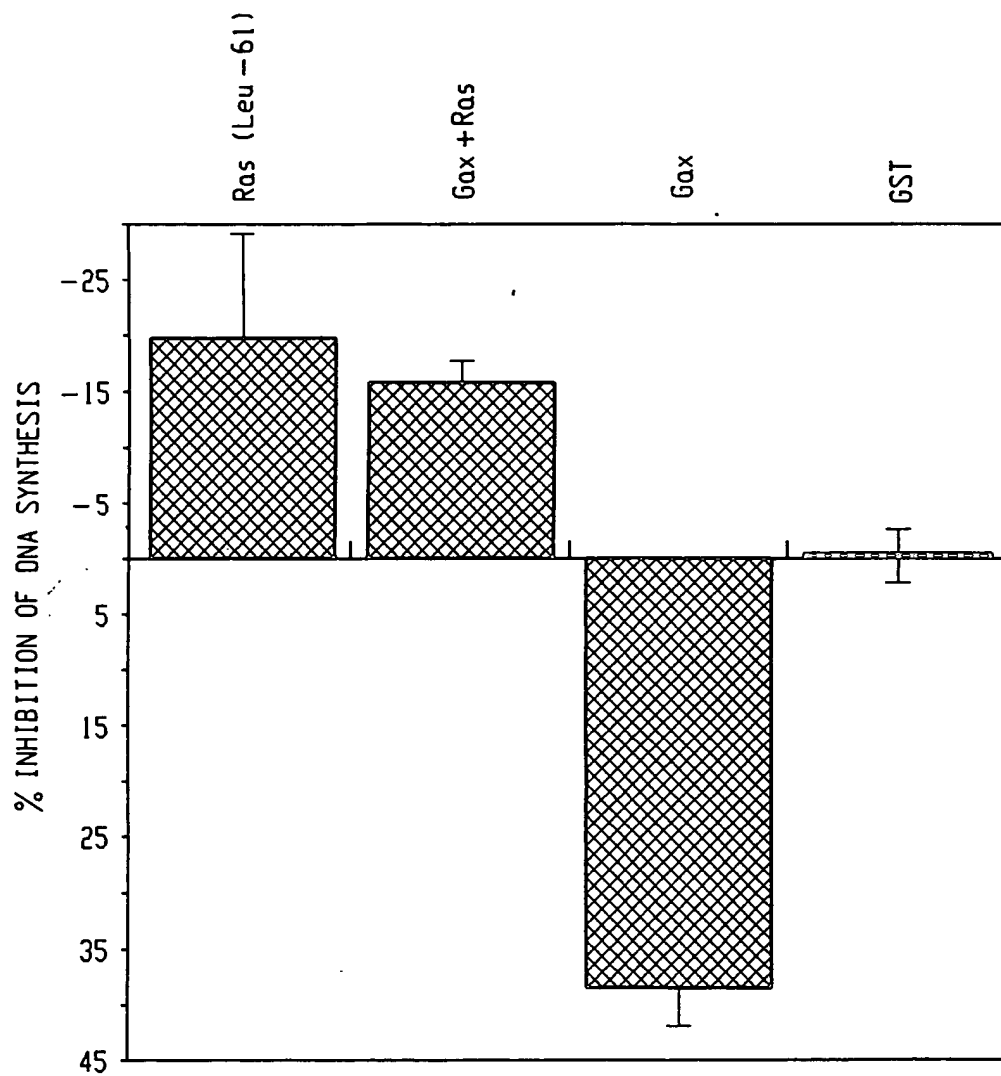


FIG. 12

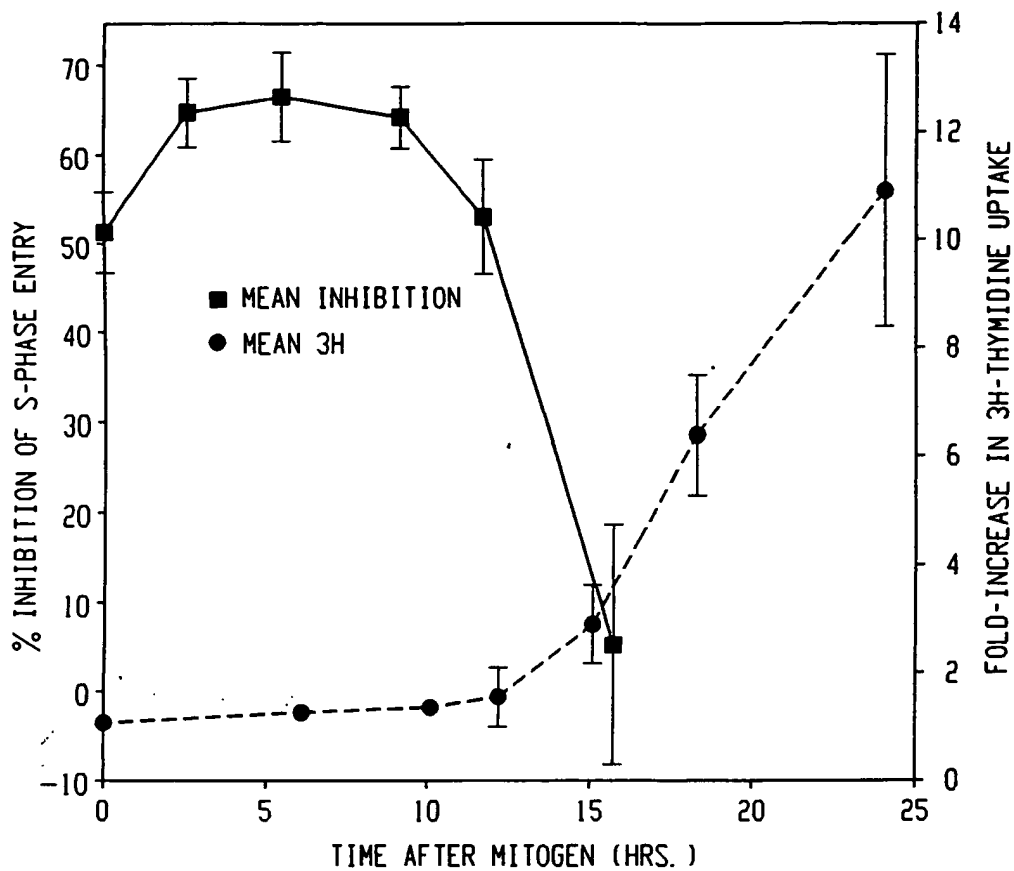


FIG. 13

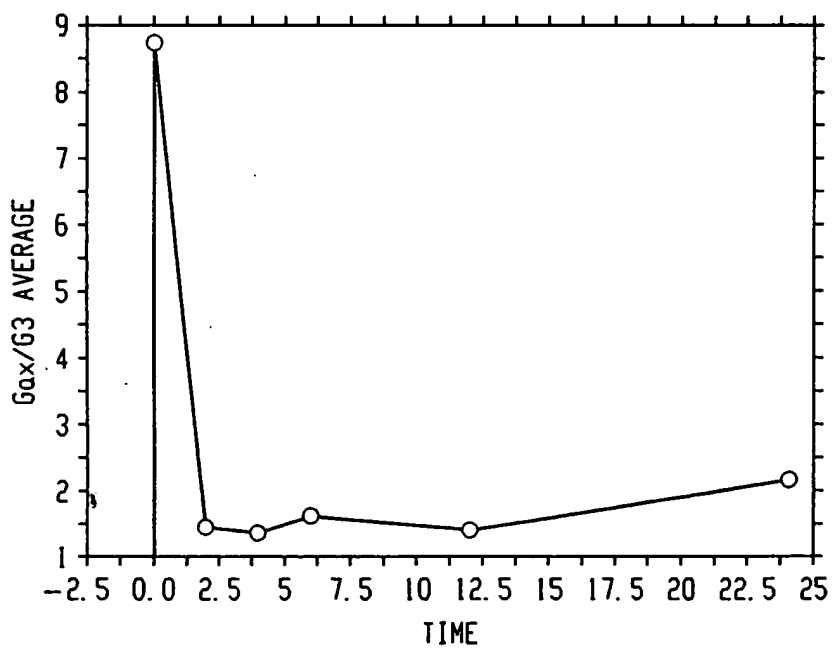


FIG. 14